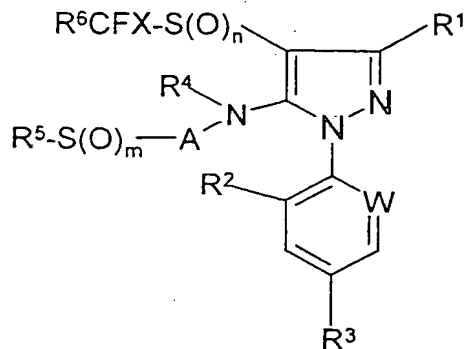


CLAIMS

1. A compound of formula (I):



(I)

wherein:

R¹ is CSNH₂;

W is C-halogen or N;

R² is hydrogen or Cl;

10 R³ is CF₃, OCF₃ or SF₅;

R⁴ is hydrogen, (C₂-C₆)-alkenyl, (C₂-C₆)-haloalkenyl, (C₂-C₆)-alkynyl, (C₂-C₆)-haloalkynyl, (C₃-C₇)-cycloalkyl, (C₃-C₇)-cycloalkyl-(C₁-C₆)-alkyl, CO₂-(C₃-C₆)-alkenyl, CO₂-(C₃-C₆)-alkynyl, -CO₂-(CH₂)_q-R⁷, -CH₂R⁷, -CH₂R⁹, OR⁷, OR⁸, COCO₂R¹⁰ or COCONR¹⁰R¹¹; or CO₂-(C₁-C₃)-alkyl unsubstituted or substituted by
 15 one or more radicals selected from the group consisting of halogen, (C₁-C₃)-alkoxy and (C₁-C₃)-alkylthio; or (C₁-C₆)-alkyl unsubstituted or substituted by one or more radicals selected from the group consisting of halogen, (C₁-C₆)-alkoxy, (C₁-C₆)-haloalkoxy, (C₃-C₇)-cycloalkyl, S(O)_pR⁸ and CO₂-(C₁-C₆)-alkyl;

A is (C₁-C₆)-alkylene or (C₁-C₆)-haloalkylene;

20 R⁵ is (C₂-C₆)-alkenyl, (C₂-C₆)-haloalkenyl, (C₂-C₆)-alkynyl, (C₃-C₆)-cycloalkyl or - (CH₂)_qR⁷; or (C₁-C₆)-alkyl unsubstituted or substituted by one or more radicals selected from the group consisting of halogen, (C₁-C₆)-alkoxy, (C₁-C₆)-haloalkoxy, (C₃-C₇)-cycloalkyl, S(O)_pR⁸ and CO₂-(C₁-C₆)-alkyl;

X is F or Cl;

25 R⁶ is F, Cl or Br;

R⁷ is phenyl unsubstituted or substituted by one or more radicals selected from the group consisting of halogen, (C₁-C₆)-alkyl, (C₁-C₆)-haloalkyl, (C₁-C₆)-alkoxy, (C₁-C₆)-haloalkoxy, CN, NO₂, S(O)_pR⁸, CO₂-(C₁-C₆)-alkyl, COR⁸, NR¹²R¹³ and OH; R⁸ is (C₁-C₆)-alkyl or (C₁-C₆)-haloalkyl;

5 R⁹ is a heteroaromatic radical having 5 or 6 ring atoms and 1, 2 or 3 hetero atoms in the ring selected from the group consisting of N, O and S, unsubstituted or substituted by one or more radicals selected from the group consisting of halogen, (C₁-C₄)-alkyl, (C₁-C₄)-haloalkyl, (C₁-C₄)-alkoxy, (C₁-C₄)-haloalkoxy, NO₂, CN, CO₂-(C₁-C₆)-alkyl, S(O)_pR⁸ and OH;

10 R¹⁰ and R¹¹ are each independently H or R⁵; or the radical NR¹⁰R¹¹ forms a five- to seven-membered saturated ring which optionally contains an additional hetero atom in the ring which is selected from O, S and N, the ring being unsubstituted or substituted by one or more radicals selected from the group consisting of halogen, (C₁-C₆)-alkyl, (C₁-C₆)-haloalkyl and CO₂-(C₁-C₆)-alkyl;

15 R¹² and R¹³ are each independently H or (C₁-C₆)-alkyl; m, n and p are each independently zero, one or two; and q is zero or one; or a pesticidally acceptable salt thereof.

20

2. A compound or a salt thereof as claimed in claim 1 wherein R⁶ and X are both F.

3. A compound or a salt thereof as claimed in claim 1 or 2 wherein R¹ is

25 CSNH₂;

W is C-Cl;

R² is Cl;

R³ is CF₃ or OCF₃;

R⁴ is (C₂-C₄)-alkenyl, (C₂-C₄)-alkynyl, (C₃-C₇)-cycloalkyl, CO₂-(C₁-C₃)-alkyl,

30 CO₂-(C₃-C₄)-alkenyl, CO₂-(C₃-C₄)-alkynyl or -CO₂-(CH₂)_q-R⁷; or (C₁-C₃)-alkyl unsubstituted or substituted by one or more radicals selected from the group

consisting of halogen, (C₁-C₃)-alkoxy, (C₁-C₃)-haloalkoxy, (C₃-C₇)-cycloalkyl, S(O)_pR⁸ and CO₂-(C₁-C₃)-alkyl;

A is (C₁-C₄)-alkylene or (C₁-C₄)-haloalkylene;

R⁵ is (C₃-C₆)-cycloalkyl or -(CH₂)_qR⁷; or (C₁-C₃)-alkyl unsubstituted or substituted
 5 by one or more radicals selected from the group consisting of halogen, (C₁-C₃)-alkoxy, (C₁-C₃)-haloalkoxy, (C₃-C₆)-cycloalkyl, S(O)_pR⁸ and CO₂-(C₁-C₃)-alkyl;

X is F or Cl;

R⁶ is F or Cl;

R⁷ is phenyl unsubstituted or substituted by one or more radicals selected from the
 10 group consisting of halogen, (C₁-C₃)-alkyl, (C₁-C₃)-haloalkyl, (C₁-C₃)-alkoxy, (C₁-C₃)-haloalkoxy, CN, NO₂, S(O)_pR⁸, CO₂-(C₁-C₃)-alkyl, COR⁸, NR¹²R¹³ and OH;

R⁸ is (C₁-C₃)-alkyl or (C₁-C₃)-haloalkyl;

R¹² and R¹³ are each independently H or (C₁-C₃)-alkyl;

m, n and p are each independently zero, one or two; and

15 q is zero or one.

4. A compound or a salt thereof as claimed in any one of claims 1, 2 or 3 wherein R¹ is CSNH₂;

W is C-Cl;

20 R² is Cl;

R³ is CF₃ or OCF₃;

R⁴ is CO₂-(C₁-C₃)-alkyl, CO₂-(C₃-C₄)-alkenyl, CO₂-(C₃-C₄)-alkynyl or
 -CO₂-(CH₂)_q-R⁷; or (C₁-C₃)-alkyl;

A is (C₁-C₄)-alkylene;

25 R⁵ is (C₃-C₆)-cycloalkyl or -(CH₂)_qR⁷; or (C₁-C₃)-alkyl unsubstituted or substituted by one or more radicals selected from the group consisting of halogen, (C₁-C₃)-alkoxy, (C₁-C₃)-haloalkoxy, (C₃-C₆)-cycloalkyl, S(O)_pR⁸ and CO₂-(C₁-C₃)-alkyl;

X is F or Cl;

R⁶ is F or Cl;

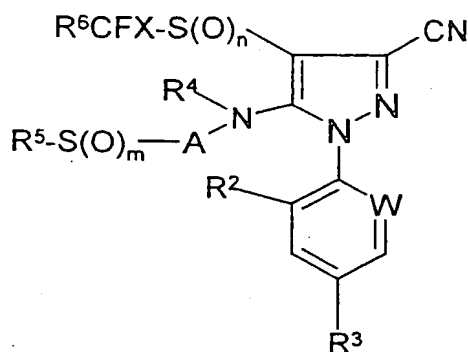
30 R⁷ is phenyl unsubstituted or substituted by one or more radicals selected from the group consisting of halogen, (C₁-C₃)-alkyl, (C₁-C₃)-haloalkyl, (C₁-C₃)-alkoxy, (C₁-C₃)-haloalkoxy, CN, NO₂ and S(O)_pR⁸;

R^8 is (C_1-C_3) -alkyl or (C_1-C_3) -haloalkyl;

m , n and p are each independently zero, one or two; and

q is zero or one.

5. A process for the preparation of a compound of formula (I) or a salt thereof as defined in any one of claims 1 to 4, which process comprises:
- a) where R^1 is $CSNH_2$, and R^2 , R^3 , R^4 , R^5 , R^6 , W , A , X , m and n are as defined in claim 1, reacting a compound of formula (II):



(II)

wherein R^2 , R^3 , R^4 , R^5 , R^6 , W , A , X , m and n are as defined in formula (I), with an alkali or alkaline earth metal hydrosulfide; or

b) where R^1 is $CSNH_2$, and R^2 , R^3 , R^4 , R^5 , R^6 , W , A , X , m and n are as defined in claim 1, reacting a compound of formula (II) as defined above with a

bis(trialkylsilyl)sulfide, in the presence of a base; and

(c) if desired, converting a resulting compound of formula (I) into a pesticidally acceptable salt thereof.

6. A pesticidal composition comprising a compound of formula (I) or a

pesticidally acceptable salt thereof as defined in any one of claims 1 to 4, in association with a pesticidally acceptable diluent or carrier and/or surface active agent.

7. The use of a compound of formula (I) or a salt thereof according to any one of claims 1 to 4 or of a composition according to claim 6, for the preparation of a veterinary medicament.

8. The use of a compound of formula (I) or a salt thereof according to any one of claims 1 to 4 or of a composition according to claim 6, for the control of pests.
- 5 9. A method for controlling pests at a locus which comprises applying thereto an effective amount of a compound of formula (I) or a salt thereof as claimed in any one of claims 1 to 4 or of a composition according to claim 6.